SoundWave 128 PCI™

User's Manual

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- Consult the dealer or an experienced radio or TV technician for help

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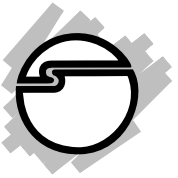

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About This Manual

The purpose of this manual is to introduce you to your ***SoundWave 128 PCI***. It will guide you on how to install the card and software for proper operation in your computer. Please save this manual for future reference in the event you wish to connect other devices to your system.

This manual is comprised of the following sections:

Chapter 1: Introduction

Provides unpacking instructions, and introduces the features and specifications of the card.

Chapter 2: Hardware Installation

Describes how to install the card in your system.

Chapter 3: Software Installation

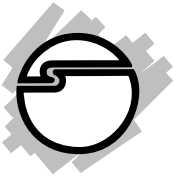
Provides instructions on how to install the drivers and utilities software.

Chapter 4: Using Utilities

Describes how to use the YStation and the Enhanced 128-Voice Synthesizer.

Chapter 5: Technical Support

Provides instructions on how to obtain technical support or return a product in the event of a problem.



Chapter 1 Introduction

Thank you for your purchase of the ***SoundWave 128 PCI***. SIIG's goal is to provide its customers with affordable, quality products and customer support.

The purpose of this comprehensive user's manual is to:

- introduce you to the ***SoundWave 128 PCI***'s features and benefits
- guide you through the easy, trouble-free installation procedure
- provide technical support information in the event of a problem

Before installing the ***SoundWave 128 PCI***, please take the time to review this chapter for unpacking instructions and an overview of the key features of the card. Then refer to *Chapter 2: Hardware Installation*, *Chapter 3: Software Installation* and *Chapter 4: Using Utilities* for installation instructions.

1-1 Unpacking Your *SoundWave 128 PCI*

Please verify that the following items are included in the packaging carton:

- One ***SoundWave 128 PCI*** card
- One *Drivers & Utilities* CD disc
- This comprehensive user's manual

Please consult your dealer if any item is damaged or missing.

1-1.1 Static Electricity Precaution

One of the routine precautions you must be aware of when working with computer components is the problem of static electricity discharge.

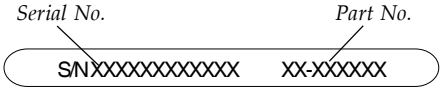
Note Leave the ***SoundWave 128 PCI*** in its static-resistant bag until you are ready to install it.

Caution Static electricity discharge may permanently damage your system. In order to avoid possible static electricity discharge during installation procedures, please follow the guidelines below:

- Discharge any static electricity build up in your body by touching a large grounded metal surface or the computer's case (if plugged in), for a few seconds.
- During installation procedures, avoid any contact with internal parts. Handle cards only by their edges.

1-1.2 Record the Serial Number

In order for SIIG's Technical Support or Return Merchandise Authorization Department to give you prompt service, you will need the following product information. ***The serial number label is located on the side of the box and on the back of the card.***



Please take a moment to record the serial number.

Serial Number: _____

Part Number: _____

Date purchased: _____

1-2 Introducing the *SoundWave 128 PCI*

The ***SoundWave 128 PCI*** is a high performance multimedia sound card which takes full advantage of the PCI bus architecture, while maintaining compatibility with legacy software. It supports 64-voice XG capital wavetable synthesis, DirectMusic™, DirectSound ™, and full hardware SoundBlaster® Pro compatibility. Each sound in the wavetable is derived from real instrument sounds, created with wavetable synthesis and held to a professional performance standard for the extensive sound library.

One of the great advantages of this sound card is that being a 32-bit PCI sound card, it is far more superior to the 16-bit ISA sound cards. The ***SoundWave 128 PCI*** is capable of transferring data on a wider 32-bit bandwidth bus, which allows much more data to pass from the PCI bus to the host processor. Using the PCI bus allows a 4 to 20 times increase in speed over the much slower DMA transfers on the ISA bus, which drastically reduces the overhead on the host CPU. Real-time software-based sound fields are now possible without bogging down your computer's processor.

Because of the high PCI-bus data transfer rates, the ***SoundWave 128 PCI*** is able to utilize a much more flexible method of storing and accessing wavetable sounds (as compared to the limitations of the ROM stored sounds). All 128 General MIDI instrument sounds are now stored on the PC's hard drive, where it is accessed using the computer's onboard RAM—and it's more easily upgradable!

1-2.1 Key Features and Benefits

- Conforms to PCI v2.1 with bus mastering
- Fully PC 97/98, ACPI 1.0 compliant
- Supports AC '97 CODEC 3D enhancement
- Hardware 64-voice XG capital wavetable synthesizer including GM compatibility
- Hardware DirectSound and DirectMusic acceleration
- Full duplex playback and record with different sampling rates
- Advanced Sensaura™ 3D technology delivers sound feeling through 2 speakers in all-positional area as wide as 360 degrees
- Driver-support A3D emulation works with all types of A3D games
- Sondius-XG™ technology delivers realistic sounds to enhance enjoyment of the Internet, game software and other multimedia applications
- AC '97 support with full duplex, sample rate operation at 48Khz
- Legacy Audio
  - MPU401 MIDI In/Out, FM synthesis and SoundBlaster playback in real DOS mode
  - Legacy DMA support with DDMA and PC/PCI
- Yamaha S-YXG50 enhanced 128-voice synthesizer
- Effects
  - Reverb and Chorus
  - Variation
  - Echo for Mic In

Digital Audio

- Allows recording of CD-quality stereo sound (up to 16 bits, 48.0 kHz sampling rate) from Aux, CD and Modem as well as from the internal synthesizer
- Supports recording of mono sound from the Mic input
- Supports recording of mono sound from the Modem/ Video In
- Allows playback of 8- or 16-bit stereo wave sample sounds
- Enables playback of standard PC Wave files (.VOC, .WAV, ...)

MIDI

- Adds an external MIDI In/Out port to your PC
- Allows the recording of MIDI events from an external MIDI keyboard controller
- Enables playback of standard PC MIDI files (e.g. .MID, .ROL,...) to either the on-board synthesizer or to an external synthesizer

Mixer

- Allows synthesizer and digital audio output to be mixed with signal from card's CD, Aux, and Mic.

Interface Ports

- Line Out/Speaker Out
- Line In
- Mic In
- MIDI/Joystick
- CD Audio In
- PC/PCI: used mainly on Intel based motherboard for support of legacy games under DOS environment. The connecting cable is not included
- Video In
- Modem
- Aux In

1-2.2 System Requirements

- Pentium 120MHz or faster CPU (Pentium 166 MHz MMX and 64MB RAM recommended for Enhanced 128-Voice Synthesizer)
- One available PCI slot
- 16MB of RAM
- 15MB of available hard disk space
- CD-ROM drive and audio cable
- Windows 95, 98 or NT 4.0
- Speakers or headphones

Chapter 2
Hardware Installation

This chapter provides instructions for installing your ***SoundWave 128 PCI*** card in your computer. Before you install the card, please familiarize yourself with the card's layout and connector locations. The card provides internal and external connectors and jacks to interface with different sound devices.

2-1 Card Layout

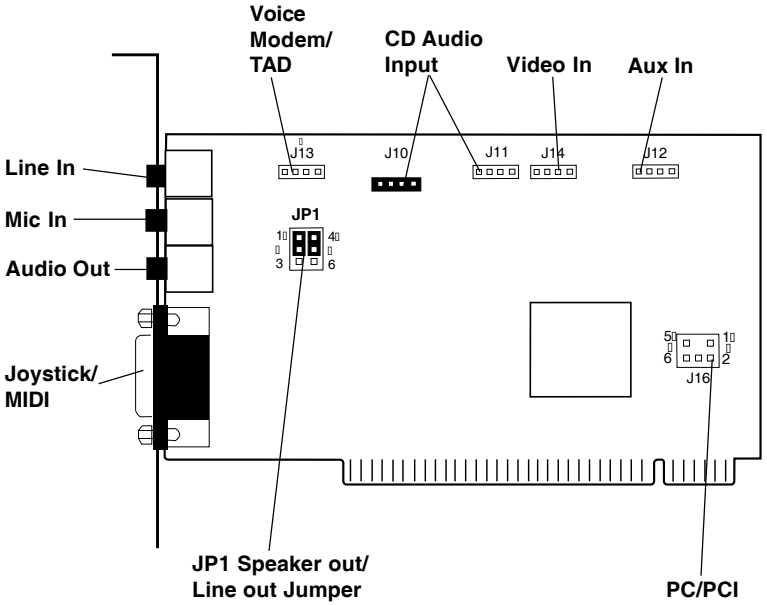


Figure 2-1. ***SoundWave 128 PCI*** **Card Layout**

2-2 Connectors

Joystick/MIDI

This is a 15-pin D-sub connector. It can be used with standard MIDI adapters or joystick. The joystick interface will support both single and dual joysticks.

Speaker (Headphone) Out /Line Out

A stereo line output jack through which the combined signal of all internal/external audio sources on the card is output. It can also be connected to stereo headphones or to amplified speakers with a 1/8-inch TRS plug. See section 2-2.1 for feature setting.

Line In

A stereo input jack which accepts a 1/8-inch TRS stereo plug. It can be used as a source for digital sound recording, a source to be mixed with the Line Out signal, or both.

Mic In

A 1/8-inch jack which provides a mono input. It can be used as a source for digital sound recording, a source to be mixed with the overall output signal, or both.

Aux In (J12)

It can be used to connect other devices as a source of digital sound. When connect device to this input, make sure to use the proper slider control to adjust the volume in the mixer.

Video In (J14)

A connector for the video card, capture card, or DVD decorder card.

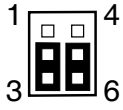
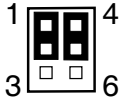
Modem (J13)

It can be used to connect a modem audio line to the card. Use this connector when using telephone answering machine software for mono input/output.

CD Audio Input (J10 & J11)

Stereo connectors which can be used to attach CD-ROM audio cable. Select one of these two connectors to match with the type of audio cable which comes with your CD-ROM drive for audio-in connection.

2-2.1 JP1: Audio Output Jumper Setting

Audio	Jumper Setting
SPEAKER OUT Audio output with power amplifier	
LINE OUT Audio output without power amplifier (**Default**)	

Note The ***SoundWave 128 PCI*** has a built-in power amplifier. This feature is turned off by default. If your speakers do not have built-in power amplifier, you may turn on the on-board amplifier by resetting the jumper **JP1. Do not connect speakers with built-in power amplifier when the on-board power amplifier is on.**

2-3 Installing the *SoundWave 128 PCI* Card

General instructions for installing the board are given since the design of computer chassis varies. Refer to your computer's reference manual for information on removing the computer's cover.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer.
3. Remove the computer's cover by removing its mounting screws and sliding off the cover.
4. Select an available PCI slot, remove the selected slot bracket by unscrewing the holding screw and sliding it out. Save this screw for securing the card after it's installed.

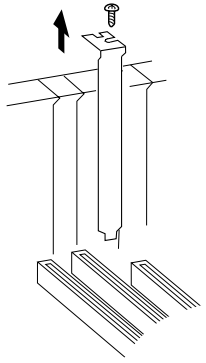


Figure 2-2. Remove the Slot Bracket

5. To install the ***SoundWave 128 PCI***, carefully align the board's bus connector with the selected slot. Push the board down firmly, but gently, until it is well seated.

   Note Hold the card by its external edges only. Try to avoid touching the components, connectors or pins.

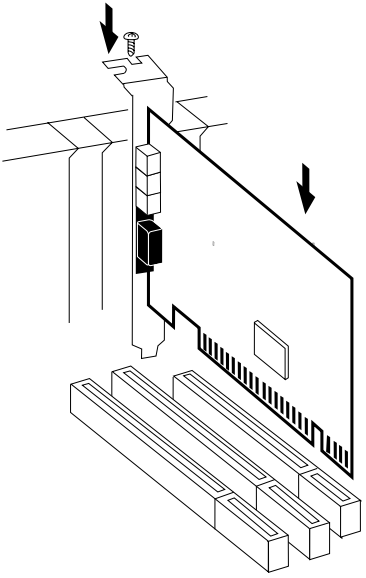


Figure 2-3. Installing the *SoundWave 128 PCI*

6. Replace the slot bracket's holding screw to secure the board to the rear slot panel.
7. Make all the internal device connections that you wish to connect to the card before replacing the computer's cover.
8. Replace the computer's cover.
9. Reconnect power cord and cables.

You have completed the hardware installation.

Chapter 3
Software Installation

This chapter provides information on how to install the drivers and utilities provided on the *Driver and Utilities* CD. It includes drivers and utilities for the following operating systems:

Windows 95/98
Windows NT 4.0

Please refer to the section for the operating system you will be running for its installation instructions.

Note Make sure you have installed the card in your system BEFORE installing the software.

3-1 Windows 95/98 Driver Installation

Follow the procedures listed below to install the Windows 95/98 drivers and related files:

3-1.1 Windows 95/98 Driver Installation

1. Start up Windows 95/98 operating system.
2. The "**New Hardware Found**" dialog box displays the message "**PCI Multimedia Audio Device**". Click on "**Cancel**" and let Windows boot up completely.
3. Insert the ***Driver and Utilities*** disc into your CD-ROM drive, if **Autorun** starts, go to step #4.

   If your system does not support **Autorun**, select ***Start***, ***Run*** and type in: "**D:\demo32.exe**" and click on "**OK**". (Assuming **D:** is the CD-ROM drive letter)
4. Click on "**YMF724**" to initiate driver installation.

5. Choose "**Install Win 95/98 Driver**" and follow the on-screen instructions to complete installation.
6. Select "**Yes, I want to restart my computer now**" and click on "**Finish**" to re-boot your system.

   Note If the system prompts for Windows 95/98 Operating System CD disc, insert the CD disc into the CD-ROM drive and follow the on-screen instructions to complete the installation.

3-1.2 Windows 95/98 Multimedia Extensions

Windows 95/98 includes a number of multimedia utilities. Some of them are needed in audio play. For example, you will need to install CD Player in order to play audio CD in your CD-ROM drive.

> **Note** To install these extensions, you will need to have you Windows 95 or Windows 98 Operating System CD disc handy.

Follow the steps listed below to install these utilities:

1. Go to ***Start***, ***Settings***, and then ***Control Panel***.
2. Double-click the **"Add/Remove Programs"** icon.
3. Select the **"Windows Setup"** tab.
4. In the list of installed components, check **"Multimedia"**.
5. Select **"Details"**.
6. Choose the components you wish to install and select **"OK"** and follow the on-screen instructions to complete the installation.

3-1.3 Uninstall Windows 95/98 Drivers

Uninstall the *SoundWave 128 PCI* driver from your system will remove all Windows and DOS drivers you may have installed. Follow the steps below to uninstall the driver:

1. Go to ***Start***, ***Settings***, and then ***Control Panel***.

2. Double click on the "**Add/Remove Programs**" icon.
3. Highlight "**YAMAHA DS-XG Driver**" and click on the "**Add/Remove**" button.
4. Follow the on-screen instruction to uninstall the drivers.

3-2 Windows NT 4.0 Driver Installation

Perform the following steps to install the NT 4.0 drivers.

3-2.1 Windows NT 4.0 Driver Installation

1. Start up Windows NT Version 4.0 and log on as Administrator Class user.
2. Insert the *Driver and Utilities* disc into the CD-ROM drive, click on "**Exit**" if **Autorun** starts.
3. Go to ***Start***, ***Settings***, ***Control Panel*** and double click on the "**Multimedia**" icon.
4. Click on the "**Devices**" tab.
5. Click on the "**Add**" button and highlight "**Unlisted Updated Driver**" and click on **"OK"**.
6. Type in the following path:

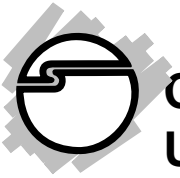
   "**D:\DS1\winnt**" and click on "**OK**". (Assuming **D:** is your CD-ROM drive letter)
7. Highlight "**YAMAHA DS-XG Audio Drive(U.S. English)**" and click on "**OK**".

   Note If the driver already exists, click on "**New**" to install the driver.
8. Click on "**Restart Now**" and re-boot the system.

3-2.2 Uninstall Windows NT 4.0 Driver

To uninstall the ***SoundWave 128 PCI*** driver from NT 4.0, follow the steps listed below:

1. Go to ***Start, Settings, Control Panel***, and double click on the ***"Multimedia"*** icon.
2. Choose the ***Devices*** tab and click on the "**+**"sign next to the ***Audio Device***.
3. Highlight ***"YAMAHA DS-XG Audio Driver (U.S. English)"*** and click on the ***Remove*** button**.**
4. Select **"Yes"** to confirm removal of the driver.
5. Select **"Restart Now"** to complete the uninstall.



Chapter 4
Using Utilities

This chapter provides information on how to use your ***SoundWave 128 PCI*** with utilities software provided on the *Drivers and Utilities* CD. The bundled software will give clear enhance quality sound and allow advance editing for greater output. It includes software like **YStation** to play different audio formats and **XG Studio** for simultaneous playback of AVI and MIDI files with an enhanced 128-Voice Synthesizer.

4-1 YStation for Windows 95/98/NT 4.0

YStation is a software that plays CD, Wave files (extension .WAV files), and MIDI files (extension .MID files). The YStation fully supports Reverb, Chorus, and 3D Spreader effects through the use of user friendly interface.

To install **YStation**, follow the instructions below:

1. If your system supports **Auto-run** feature, the Welcome dialog box of the *Drivers and Utilities* CD will automatically displayed.

   If the Welcome dialog box does not display, click on ***Start,*** and then ***Run.*** Type in **D:\demo32.exe**. (Assuming **D:** is the drive letter for the CD-ROM.)

2. Select "**YMF724**" and click on "**Install YStation32**".

3. Follow the instructions to complete the setup.

To activate **YStation**, go to the taskbar and click **Start/ Program/YAMAHA DS-X4/YSTATION32.**

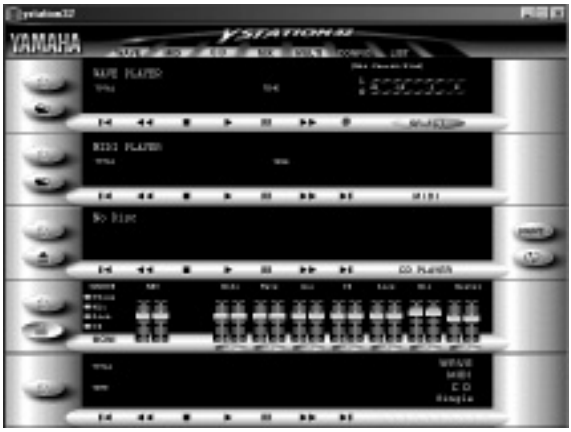


Figure 4-1. YStation Panel

The **YStation** comes with the **main control, Wave Player, MIDI Player, Mixer,** and **Multi Player.**

The **main control** have seven buttons to select from. Each will activate different players in the **YStation.** For example, to activate the CD Player, click on ***CD*** button**.**

The **Wave Player** plays and records Wave format files. Before recording, ensure that the recording source is selected by using the ***Select*** button.

The **MIDI Player** plays the standard MIDI format files.

The **CD Player** plays music CD.

The **Mixer** allows you to control the volume for the type of music you wish to played. For example, if you play Audio CD, click on the ***CD*** button and then adjust the volume to your satisfaction. The master volume control on the far right of the mixer allows you to control the volume for all players.

The **Multi Player** is a multi-purpose player that can play from all sources including MIDI, Wave, and CD. This is useful when creating a list of songs from different file format.

4-2 XG Studio for Windows 95/98

The XG Studio will enrich and enhance the current FM based or 32/64-voice wavetable audio board for improved performance through the use of Enhanced 128-Voice Synthesizer. With the XG Studio, you can enjoy playback of the MIDI files along with AVI files simultaneously. It provides 676 different sounds, 21 drum kits, and 128-note simultaneous polyphony with three sound effects (reverb, chorus, and variation). In addition, it allows you to control each MIDI channel dynamically to vary each instrumental outcome of the songs.

> **Note** The XG Studio requires a minimum of Pentium II 233 MHz, 64MB RAM or better.

4-2.1 Installing XG Studio

Before proceeding, make sure the ***SoundWave 128 PCI*** and drivers are installed. To install these utilities, follow the instructions below:

> **Note** If your system supports **Auto-run** feature, the Welcome dialog box of the *Drivers and Utilities* CD will be automatically displayed. Click on "**Exit**" to continue.

1. Click on ***Start***, and then ***Run***. Type in **D:\xg\XGStudio\setup.exe**. (Assuming **D:** is the drive letter for the CD-ROM.)
2. Click on **"Next"** to begin installation.
3. Follow the on-screen instructions to complete the setup.

4-2.2 XG Studio Panel

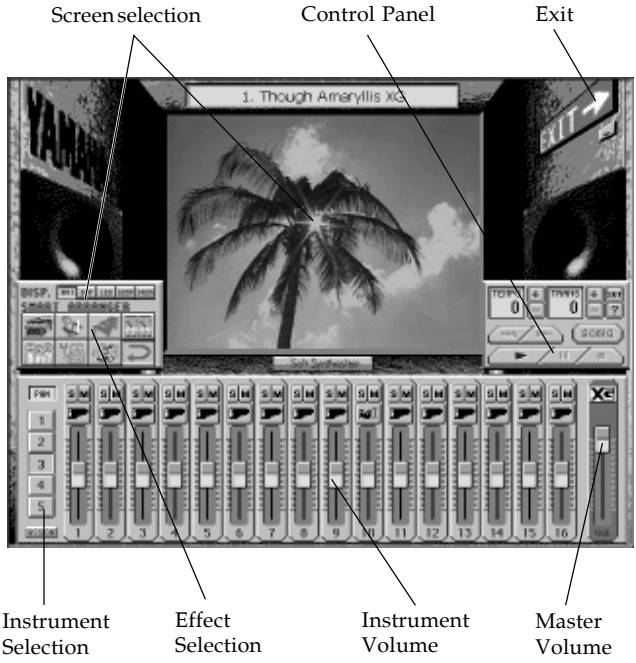


Figure 4-2. XG Studio Panel

Screen Selection
This option sets the picture format on the viewing screen. There are some default selections provided by XG Studio, but you can also add your favorite AVI or BMP files. To add new AVI or BMP files, click on the viewing screen and follow the instructions.

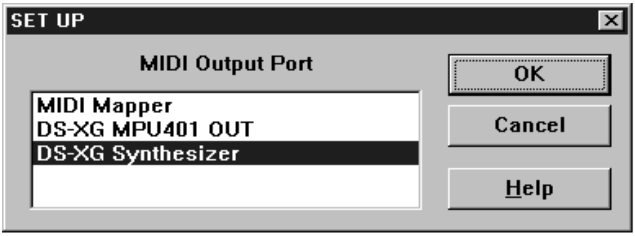
Control Panel
This is a standard control panel to select and play your favorite MIDI files.

Instrument Selection
Click on the number to view or change the type of instruments playing your favorite MIDI files.

Effect Selection
This is some of the popular effects provided by the XG Studio utilities which include Chorus, Symphony, Orchestra and more.

Instrument Volume and Master Volume
The slider controls the volume output for individual instrument or MIDI file as a whole. By varying the volume of individual instrument, you can create your own special effects to the MIDI files.

Set Button



The **Set button** will activate the ***SET UP*** screen. To use the **XG Studio Panel** for 128-Voice Synthesizer, select **DS-XG Synthesizer.**

4-2.3 XG Studio Player

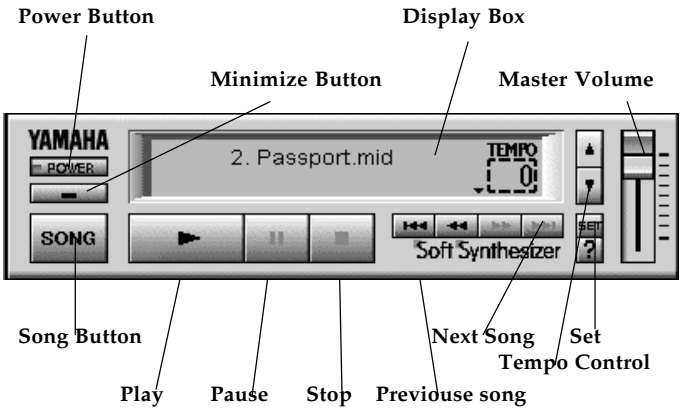


Figure 4-3. XG Studio Player

Power Button
This button will exit the **XG Studio Player**.

Minimize Button
Click on this button to minimize the **XG Studio Player** to an icon at the taskbar.

Song Button
Click on this button to displays the Set Play List dialog box, in which you can create a list of MIDI file (file extension .MIDI) to play automatically.

Play Button
Click on this button to play the MIDI file currently selected and displayed in the **Display Box**. Before clicking this button, go to **Song button** to select a list of MIDI files to play.

Pause Button
Click on this button to pause the song. To resume playback, click on the **Pause** or the **Play** button.

Stop Button
To stop all activities, click on this button. If you click on the **Play** button again, the song will resume from the beginning.

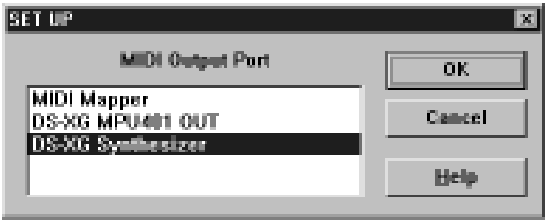
Previous Song Button
Click on this button to jump to the song immediately before the current song.

Next Song Button
Click on this button to jump to the song immediately following the current song.

Tempo Controls
Tempo Controls adjusts the speed of the song being played.

Master Volume Slider
Dragging the slider up or down or clicking at the appropriate position increases or decreases the volume level of the song (MIDI file) being played.

Set Button



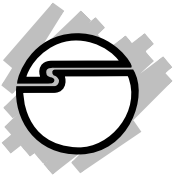
The **Set button** will activate the ***SET UP*** screen. To use the **XG Studio Player** for 128-Voice Synthesizer, select **DS-XG Synthesizer.**

4-3 Uninstall Utilities

The utilities installed from the *Drivers and Utilities* CD include an uninstall option. This procedure will remove all software previous installed in your system. To uninstall any of the utilities, follow the steps below:

1. Go to the taskbar and click on **Start / Settings / Control Panel.**
2. From the **Control Panel**, double click on **Add/Remove Program**.
3. Click on the utilities you wish to uninstall.
4. Click on **OK.**

The procedure to uninstall the utilities is now complete.



Chapter 5
Technical Support

5-1 Overview

This chapter will give you instructions on how to obtain product information, contact technical support and return defective product. This user's manual is written with easy-to-understand instructions on how to configure and install your ***SoundWave 128 PCI*** in your system. We encourage you to consult this manual as your first step for technical assistance.

There are several steps you can take should you find problems with your ***SoundWave 128 PCI***. It is most helpful if you consult the following resources:

1. Chapter 2, 3, and 4 of this user's manual
2. Web Site (Section 5-2)
3. Technical Support Department (Section 5-3)
4. Return Merchandise Authorization (RMA) (Section 5-4)

5-2 Web Site

Visit SIIG's Web site at ***www.siig.com*** for on-line technical support, product features, drivers updates, upgrade solutions and where-to-buy information. Your opinions of SIIG products are very important to us. Through your feedback, SIIG can continue to deliver quality, innovative products to you.

5-3 Technical Support Department

Questions? SIIG's **Online Support** has the answers! Simply visit our web site at ***www.siig.com*** and click on the **ONLINE SUPPORT** icon for instant technical support. For further assistance, you may e-mail us at **support@siig.com.**

If you need additional help, SIIG's Technical Support Specialists are available from 8:00 a.m. to 5:00 p.m. Monday through Friday, Pacific Standard Time at **(510) 353-7542.**

In order for SIIG's Technical Support to give you prompt service, you will need the following information.

Part Number: _____
Computer Configuration: _____

_____

_____

_____

_____

_____

Note Make sure you are prepared with the required information: part number and description of the problem, so the Technical Support Specialist can better assist you.

5-4 Return Merchandise Authorization (RMA)

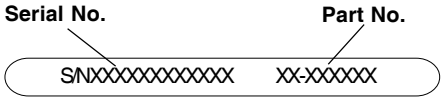
If the Technical Support Specialist determines that the product may be defective, you can return it for repair or replacement.

SIIG warrants to the original buyer of the product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase. If your product fails to be in good working order during the warranty period, you may return it to SIIG for repair or replacement at SIIG's option.

To return the product, you need to follow these steps.

Step 1: Call SIIG's RMA Department

Call the RMA Department at **(510) 413-5333** for a Return Merchandise Authorization (RMA) number. **In order to get a RMA number, you must have your product serial number. The serial number is located on the side of the box it came in and on the back of the product.**



Step 2: Complete the RMA form

- Fill out your Return Merchandise Authorization (RMA) form, and include it in the package with the product.
- Properly pack the product for shipping. All software, cable(s) and other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package and on the accompanying RMA form.

SIIG will refuse to accept any shipping package, and not be responsible for a product returned without a RMA number posted on the outside of the shipping carton.

Step 3: Ship the *SoundWave 128 PCI*

You are responsible for the cost of shipping back to SIIG at the following address:

SIIG, Inc. RMA#_____
6078 Stewart Ave.
Fremont, CA 94538

SIIG will ship the repaired or replaced product via UPS Ground or US Mail at no cost to you.

LIMITED 5 YEAR WARRANTY

The Company warrants to the original buyer of this product that the hardware is free of defects in materials and workmanship for a period of five years from the date of purchase from a reseller or dealer. Should this product fail to be in good working order during the warranty period, the Company, at its sole option, will repair or replace the defective product with an identical product or product having similar features and functionality as determined by the Company.

If the product has been modified without written approval by the Company, or the failure is a result of misuse, abuse or misapplication as determined by the Company, the warranty is void and the Company has no obligation to repair or replace the product.

The customer is responsible for properly packing the defective product for shipment and for the cost of shipping the product back to the Company. The Company will ship the repaired or replaced product via UPS Ground or US Mail at no cost to the customer.

At the request of the customer, the Company will ship the repaired or replaced product via a faster mode of shipment. The Company will pay for the cost of the shipping to return the product to the customer UP TO THE COST OF SHIPPING VIA UPS GROUND. The customer is responsible for any shipping charges above the cost of shipping via UPS Ground. This payment must be prepaid or included with the returned product, otherwise the Company will ship the repaired product COD for the amount of the additional costs.

Before returning a product for repair or replacement, you must first obtain a Return Merchandise Authorization (RMA) number from the Company's RMA Department by calling (510) 413-5333. To verify that the product is within the five year warranty period, the customer must provide proof of purchase to the Company when requesting a return authorization. The RMA number should be clearly displayed on the outside of the returned package and on the accompanying RMA form. The Company will refuse any package without a RMA number.

Under no circumstance will the Company be liable for any direct, indirect, consequential or incidental damages arising out of the use or inability to use the Company's products. Some states do not allow the exclusion or limitation of liability for consequential or incidental damages, so the above limitations may not apply. The Company reserves the right to make modifications in both hardware and software without prior notification.

Tear off and return bottom portion.

RETURN MERCHANDISE AUTHORIZATION (RMA) FORM

RMA Number:_____ Date:____/____/____

Name:_____

Company:_____

Address:_____

City:_____ State:_____ Zip:_____

Phone Number: (_____)_____

Product Name/Model:_____ Purchase Date:____/____/____

Serial Number:_____

Problem(s) (please be specific): _____

_____

_____

_____

_____

Please check additional items that you are returning (if applicable):

❒ original package ❒ manual(s) ❒ software

❒ accessories:_____